



EDMONTON POLICE SERVICE



REPORT TO THE EDMONTON POLICE COMMISSION

DATE: 2011 July 19

SUBJECT: Quarterly Reporting of EPS Clearance Rates: 2011 First Quarter

RECOMMENDATION:

That this report be received for information.

INTRODUCTION:

This report will update the Edmonton Police Commission on the 2011 First Quarter Edmonton Police Service Weighted Clearance Rates.

BACKGROUND:

The EPC has asked for reporting of the EPS clearance rates, separate from the quarterly reporting of the annual policing plan.

1. EPS Clearance Rate Reporting is based on the standards that are consistent with the Centre for Criminal Justice Statistics (CCJS).
2. To ensure appropriate clearance rate accuracy, the reporting is based on a three month time lag. The attached report is based on 2011 1st Quarter Results.

COMMENTS/DISCUSSION:

The performance measure for EPS clearance rates is documented in the 2011 Annual Policing Plan Initiative #2, which calls for a 5% increase in EPS clearance rates in 2011 over 2010. The results for 1st Quarter 2011 are:

- All Crime: 43.1% weighted clearance rate, up from 36.7% in 1st Q 2010.
- Violent Crime: 48.4% weighted clearance rate, up from 47.1% in 1stQ 2010.
- Non-Violent Crime: 39.9% weighted clearance rate, up from 32.6% in 1st Q 2010.

CONCLUSION:

The EPS is meeting and exceeding its performance objective for 1st Q 2011 over 1st Q 2010 in relation to a 5% increase in clearance rates.

Weighted clearance rates also show a consistent improvement each year from 2007 thru 2010.

The increase in the weighted clearance rate for 'All Crime' reflects an improvement of +6.4 percentage points. When calculating the percent improvement of 1stQ 2011 over 1st Q 2010, the increase is a **+17.4%** increase over the base 2010 1st Q figure. This figure was calculated using the formula: $\text{current year} - \text{previous year} / \text{previous year} \times 100$. This calculation is consistent with that used by CCJS for percent increase over the previous year.


ADDITIONAL INFORMATION ATTACHED:

- Attachment 1 – Weighted Clearance Rate Report date 19 July 2011.

Written by: John Warden, Manager, Business Performance Section

Reviewed By: Brian Roberts, Executive Director, Office of Strategy Management
Division

Approved by: Rod Knecht, Chief of Police

Chief of Police: 

Date: 11.07.20



Crime Severity Index Weighted Clearance Rate UCR Violations

Report Source: EPROS Activity -
Current
Run by: John Warden

Division: City Wide
District: All Districts
Neighbourhood: All Neighbourhoods
Quarter Selection: Q1

Information as at Date:
18 Jul 2011 23:59

CRIME SEVERITY INDEX

	2007	2008	2009	2010	2011
All Crime	<u>33.5</u>	<u>31.3</u>	<u>29.3</u>	<u>26.9</u>	<u>22.1</u>
Violent Crime	<u>37.4</u>	<u>36.2</u>	<u>33.6</u>	<u>30.5</u>	<u>32.7</u>
Non-Violent Crime	<u>33.1</u>	<u>30.7</u>	<u>29.0</u>	<u>26.6</u>	<u>19.0</u>

WEIGHTED CLEARANCE RATE

	2007	2008	2009	2010	2011
All Crime	<u>30.4%</u>	<u>28.7%</u>	<u>32.5%</u>	<u>36.7%</u>	<u>43.1%</u>
Violent Crime	<u>39.1%</u>	<u>32.2%</u>	<u>43.8%</u>	<u>47.1%</u>	<u>48.4%</u>
Non-Violent Crime	<u>26.9%</u>	<u>27.3%</u>	<u>28.0%</u>	<u>32.6%</u>	<u>39.9%</u>

As a result of changes by the Centre for Canadian Justice Statistics relating to the coding practices of some UCR violations, 2008 should not be compared against subsequent years

Calculations:

Violent Crime - is calculated based on the 1st most serious violation attached to each victim record. Where a victim was not recorded then the count is based on the 1st most serious UCR violation per incident.

$CSI = (\# \text{ Violations} * \text{Weight}) / (\text{Population}) / \text{Weighted rate} * 100$

$WCR = \text{total} (\# \text{ Cleared Violations} * \text{Weight}) / \text{total} (\# \text{ Violations} * \text{Weight}) * 100$

Weighted rate for All Crime is equal to 5.5544, for Violent Crime is equal to 1.5425, and for Non-Violent Crime is equal to 4.0118.